

Summer School

1897

GENERAL STATEMENT.

In arranging the courses for the fourth annual session of the University Summer School the following classes have been considered—1. Teachers seeking to strengthen their scholarship and improve their methods of instruction. 2. Students in the University or other colleges. 3. Those preparing to teach. 4. Men and women who wish to carry forward work in some of the special culture departments. Those unable to attend the regular session can thus obtain the benefit of university training.

Students in the Summer School may receive certificates of satisfactory work duly signed by their instructors and by the President of the University.

The University Library contains 30,000 volumes. Students will find not only large collections of books bearing on every course to be offered, but also reference books of a general character. The Library receives the leading American and foreign periodicals.

The age demands laboratory methods, and no teacher is competent to conduct laboratory exercises who has not himself previously done the work successfully. The introduction of this method in the teaching of science is perhaps the greatest contribution to sound pedagogy that has been made in the last half of the century.

The Physical Laboratory, Chemical Laboratories, Botanical and Zoological Laboratories and Gymnasium are modern in equipment.

The Summer School Lecture Course will consist of evening lectures—entertaining and instructive.

City School Superintendents will lead in discussion of practical questions.

The University Campus comprises fifty acres, and Chapel Hill offers a delightful Summer home.

Board at hotels \$12 to \$15 per month, cheaper rates at private houses and clubs. All applications for board should be addressed to Mr. E. L. HARRIS, Chapel Hill, N. C.

Reduced rates will be granted on all railroads.

At entrance the students will enroll their names with the Registrar and pay the fees to the Bursar.

Registration fee \$1.00. Tuition fee \$5.00.

FACULTY.

DR. E. A. ALDERMAN, President of the University.
PROFESSOR C. W. TOMS, Professor of Pedagogy.
PROFESSOR W. D. TOY, Professor of Modern Languages.
DR. THOMAS HUME, Professor of English.
DR. CHARLES A. McMURRY, Instructor in Pedagogy.
PROFESSOR WILBUR S. JACKMAN, Instructor in Nature Study.
PRINCIPAL W. F. GORDY, Instructor in History.
DR. WILLIAM J. MILNE, Instructor in Mathematics.
SUPT. H. S. TARBELL, Instructor in Primary Geography.
MISS MARY E. BRYANT, Instructor in English.
PROFESSOR E. P. MOSES, Instructor in Primary Work.
DR. CHARLES BASKERVILLE, Professor of Chemistry.
PROFESSOR J. A. HOLMES, Geology of North Carolina.
PROFESSOR COLLIER COBB, Professor of Geology.
DR. CHARLES S. MANGUM, Professor of Physiology,
SUPERINTENDENT M. C. S. NOBLE, Instructor in Mathematics.
SUPERINTENDENT ALEX. GRAHAM, Instructor in history.
PROFESSOR P. P. CLAXTON, Professor of Psychology.
SUPERINTENDENT LOGAN D. HOWELL, Instructor in Geography
JUDGE JAMES E. SHEPHERD, Professor of Civics.
MISS NETTIE BEMIS, Instructor in Drawing.
PROFESSOR CLARENCE R. BROWN, Instructor in Music.
DR. H. F. LINSOTT, Professor of Latin.
PROFESSOR J. A. McLAUCHLIN, Instructor in Latin.
WR. WILLIAM R. WEBB, JR., Instructor in English.
MR. R. E. COKER, Instructor in Natural History.
MISS RACHEL C. SIMS, Instructor in Physical Culture.
DR. JOHN MANNING, Professor of Law.
JUDGE JAMES E. SHEPHERD, Professor of Law.

Miss MARY A. BRYANT, Ogontz School, student in Leipsic University and Paris, will teach *The Tempest* and *Macbeth*. the latter with the interpretation of Booth and Irving.

Prof. WILBUR S. JACKMAN, teacher of Natural Science, Chicago Normal School, Author of Jackman's "Nature Study," will give instruction in Natural Science.

The State Geologist, Professor JOSEPH A. HOLMES, will make excursions with the teachers into the country about Chapel Hill for the study of the Geology and Geography of the region, and the physical history of the State.

Professor W. F. GORDY, Supervising Principal, Hartford, Conn., Author of "The Pathfinder in American History," will have charge of classes in American History.

Dr. CHARLES A. MCMURRY, University of Chicago, Secretary of the National Herbart Society, Author of "General Method," "Special Method in Literature and History," will discuss and exemplify Scientific Pedagogy.

WILLIAM J. MILNE, Ph.D. LL.D., President of the New York State Normal College, Author of Algebra and Arithmetic, will lecture on the teaching of Arithmetic.

Miss NETTIE BEMIS, graduate of Pratt Institute, Brooklyn, for three years a teacher in the Durham Graded Schools, will have charge of the classes in Manual Training.

Professor E. P. MOSES, Winthrop Normal School, Rock Hill, S. G., Author of "Moses' Reader," will have charge of all primary work.

COURSES OF INSTRUCTION.

Pedagogy. PROFESSOR TOMS and DR. MCMURRY.

PROFESSOR CHAS. A. MCMURRY, University of Chicago.

In discussing the general principles of pedagogy, as illustrated in the Herbart School, there will be a discussion of the chief aim of teaching the relative value of studies, induction and deduction, apperception, correlation, interest and recitation method.

In applying these ideas to literature and reading in the common school grades the following topics will be treated: the value of classics to teachers and children, the oral treatment of stories and myths in primary grades, the selection of books for reading in

the different grades, illustrations of the method of handling complete classics as e. g. "Courtship of Miles Standish" in the grades and the peculiar difficulties in using the best materials.

In American history, the course of study, the use of biographical stories in the intermediate grades and the method of handling important topics in grammar grades will be presented.

Lists of the best books for the use of the teachers in history, literature, reading, geography and natural science will be presented and discussed. The work is planned to be of a simple and directly useful character.

PROFESSOR C. W. TOMS.

A course of lectures will be given on

1. Child Study.
2. Systems of Education.
3. Principles of Teaching.
4. Ethical and Aesthetic.
5. Apperception, Concentration.
6. Correlation and Interest.

Primary Instruction. PROFESSOR MOSES.

The work will include lectures on the teaching of reading, spelling, arithmetic, language, geography, and history in primary schools. The various methods of teaching these subjects will be drawn mainly from the study of the development of the primary schools of Continental Europe.

The views of the leading writers on primary methods will be presented and discussed. Teachers who are interested in the work of this department are requested to bring with them for ready reference their books on school methods.

In the teaching of spelling and reading, special attention will be paid to English orthography in the light of its historic development. The method of teaching beginners how to spell and read will be illustrated by the instructor's child, four years of age.

An attempt will be made to show:

- (1) That the early school life of American children can be made much more fruitful;
- (2) The means whereby a reform may be secured.

Chemistry. DR. CHAS. BASKERVILLE.

Two courses that should be taken together, are offered in Chemistry for teachers.

Course 1. Twenty lectures with experiments, over the same ground that should be covered in a school course. The course is practical as well as theoretical. Fee five dollars.

Course 2. The teachers perform in the laboratory under the supervision of the Instructor the experiments of course 1. Fee seven dollars, two dollars being for material used.

Advanced courses may be arranged by communicating with the professor.

French and German. PROFESSOR TOY.

1. Elementary course (open for those who have never studied French). Five hours a week.

2. Modern Comedies (open to those who are able to translate simple French). Five hours a week.

Courses in German will be offered, if desired.

Drawing. MISS BEMIS.

Suggestions will be given as to the best methods of teaching drawing, the materials required, reference books, and courses of reading for teachers. Drawing may be helpful in other school studies.

Members of the class will be expected to do the work required of pupils from the primary through the grammar grades as time will allow.

Primary work will include study of type forms and objects based on them, clay modeling, tablet and stick laying, paper folding and cutting and freehand drawing.

Grammar Work. Construction; view and working drawings, pattern making, constructive design.

Representation. Form study, appearance of objects in various positions, principles of perspective, outline drawing, sketching, simple light and shade.

Decoration; elementary figures of decorative design, study of forms of beauty found in Historic Ornament, natural forms and geometric figures.

Materials will be furnished free of charge.

Outline of Courses in Nature Study. By PROFESSOR WILBUR
S. JACKMAN, Chicago Normal School.

The work in *Nature Study* will be conducted by means of a series of conferences in which all in attendance will be expected to take part. Careful consideration will be given to the selection of material from the various departments of natural science: to the proper methods of presenting the subject to pupils below the high school, through field work and experiment; to the various modes of expression needed by children in the development of true pictures of nature; and to the relations of Nature Study to other subjects, and to the demands of the pupil's own life.

The details of the course will be worked out through an expansion of the following topics:

I. Introductory: the scope and character of Nature Study.

II. Painting—water color—and drawing as aids in developing pictures in nature. Illustrated by pupil's work.

III. Number work as an aid in developing pictures of nature. Illustrated by practical problems.

IV. Reading and Writing as means of developing pictures of nature. Illustrated by primary reading lessons.

V. The relation of History and Literature, including mythology, to Nature Study. Illustrated by appropriate selections.

VI. The moral relations and value of Nature Study. The applications of the study to the practical affairs of life.

Practical Course in Natural History. Two hours work, daily,
in Biological Laboratory, with optional excursions. MR.
R. E. COKER.

The course, though primarily designed for beginners, is a plastic one, and will prove of use to teachers who have already studied the subject. It is believed that the course will enable any teacher to start a class in Natural History. For such work the necessary equipment is inexpensive. What the teacher needs is to know what animals and plants are profitable forms for study, where they are to be found, how to study them, and what books to read.

Directions for the preservation of collections (alcoholic and formalin specimens—dried preparations of insects, etc.) will be given.

A special laboratory fee of five dollars will be charged for this course.

Physiology. DR. MANGUM .

The chief aim will be to give to teachers practical ideas and suggestions which may be applied or enlarged upon in the instruction of elementary classes in the subject. The lectures will be supplemented by a selected series of dissections and physiological experiments: such as the demonstration of the circulation in the web of a frog's foot; illustration of nerve phenomena by experiment on the lower animals; dissection of a brain, etc.

The intimate relation of systematic physical culture to physiological principles will be shown.

Geography. SUPERINTENDENT HOWELL.

The course in geography will be both theoretical and practical. What the science of geography embraces, the purposes in teaching it, what should be done in preparing the child for the study, what ought to be taught, and how to teach it, will be discussed in twenty lectures: and not only will the methods advanced be illustrated by actual teaching on class, but from this practice it is hoped to deduce the principles underlying all rational geography teaching.

The subject matter and methods of primary geography will receive special attention. The necessity of preparing early in the child's life apperceptive material for the interpretation of geographical information will be emphasized, and the method of this preparation will be shown.

Educational Psychology. PROFESSOR CLAXTON.

This course will comprise the following studies:

The structure, development and function of the nervous system.
Sense-perception and bodily movements.

Arrests and reproduction of concepts, memory and imagination.
Apperception.

The intellectual process. Notions. Development of the understanding.

The nature and origin of the feelings and emotion: their relation to thought and action: their culture.

The growth and culture of the will, habit and character.

The doctrine of interest, and its psychological basis.

The aims and methods of child study, with a brief account of its history and literature.

The psychic life of the child during the elementary school age. The nature, possibilities and limits of elementary education.

It will be helpful to those wishing to take this course to prepare for it by some previous reading.

English Language and Literature and Composition, with Special Literary Study of the Bible. PROFESSOR HUME.

1. A course in Anglo-Saxon and Historical Grammar for any who wish to study the development of our language and broaden their culture and especially for those who are preparing to teach English. Text: Smith's Old English Grammar (Allyn and Bacon, Boston), Emerson's Brief History of the English Language (Mac-Millan & Co., N. Y.)

2. The Literary Study of the Bible. The Book of Job, its authorship, philosophy, local coloring, literary character as an epic drama with lyrical passages and verse forms. Text: Moulton's Book of Job (D. C. Heath & Co., Boston). The Bible is classified as Liturgical, Dramatic, Meditative. Lyrics, Odes, Elegies, their historical setting, the Messianic Psalms in connection with other prophecies. References: N. K. Davis, Moulton, Browne.

3. Lectures with illustrative reading, on the origin and growth of the Arthurian legend and Tennyson's Idylls of the King. Mal-lory's Morte d'Arthur and books of reference in the Library.

The Study of Shakspeare. MISS BRYANT.

The course will embrace one comedy, the Tempest, and one tragedy, Macbeth. Text books: Rolfe's edition of Macbeth and The Tempest.

For reference: Browning's Caliban upon Setebos; George Elliot's Romola; Abbott's Shakespearian Grammar; Snider's System of Shakspeare's Drama; Furnes' Variorum. The Tempest will be studied as the one play in which Shakspeare has adhered to the rules of the Classical drama, and as a study of the author's use of the supernatural: Macbeth as an ethical study of the growth of sin.

Course in Rhetoric and Composition. MR. WEBB.

The work of this course is similar to that prescribed for the first year at the University. It will include lectures on Rhetoric and instruction in the theory and practice of English composition.

Latin. DR. LINSKOTT and PROFESSOR McLAUCHLIN.

A course for college and University students and others, who have completed an elementary course. Ovid, *The Metamorphoses*, translation and discussion of the mythology of the Greeks and Romans. A review of Latin Grammar and a systematic presentation of such recent development in classical scholarship as are of practical value to the teacher including prosody, pronunciation and the moods and tenses of the Latin verb. Five hours a week.

The books recommended are

1. Selections from Ovid by Francis W. Kelsey: (Allyn and Bacon.)
2. Greek and Roman Mythology by Harrington and Tolman: (Leach, Shewell and Sanborn.)

Primary Latin. Teachers' Drill Course in preparatory Latin based on Nepos and Caesar. PROFESSOR McLAUCHLIN.

1. Thorough drill will be given in pronunciation and accents, forms, sight-reading, parsing, and composition.

2. The best features of the inductive method will be used. The Grammar, Nepos and Caesar can be obtained in one book, the "Pensa Prima Latina."

3. Practical suggestions will be made about conducting classes, stimulating and retaining interest, and promoting enthusiasm.

Portions of Virgil and Cicero will be studied, the former for scansion, the latter for style.

The Growth of the American Republic. SUPERINTENDENT GRAHAM.

Lectures will be delivered upon

1. Explorers and Colonists: 1462-1763.
2. The Colonies Become a Nation: 1763-1789.
3. The Dominance of Foreign Relations.
4. The Epoch of Peace and Social Progress.
5. Slavery and State Rights.
6. The Indestructible Union of Indestructible States.

Methods in History. SUPERVISING PRINCIPAL WILBUR F. GORDY, Hartford, Conn.

The speaker's aim is to deal with the practical work of the class room. He will explain and illustrate methods of teaching history in all grades below the high school and he will emphasize the intimate relation between history and geography. Having made a careful and painstaking study of the bibliography of U. S. History for both teachers and pupils. Mr. Gordy will try to aid those in search of supplementary reading along this line, and those wishing to know something of the best literature and books of reference in this important branch of modern school work.

Mr. Gordy will speak on the following subjects.

1. Elementary History. Educational value of the myth and the story. The right use of pictures. The correlation of history, in primary and intermediate grades, with language reading, geography and literature. The relation of reading and language with the elementary work in history will be carefully outlined, and pupils' written work in language will be exhibited. Topical outline of work preparatory to the text-book. Patriotic poems, what and how taught.

2. The value of Local History. The historical pilgrimage will be discussed

3. Geography the Basis of History.

4. Cause and Effect in History.

5. How to Teach Wars. The Revolution will be used to illustrate.

6. Some Suggestions on the History Recitation.

7. The Moral Element in History.

Mathematics. DR. WILLIAM J. MILNE and SUPERINTENDENT NOBLE.

DR. MILNE. Six lectures will be given. Two lectures upon Primary Arithmetic. Two lectures upon Algebra. Two lectures upon Elementary Geometry.

Algebra and Arithmetic. SUPERINTENDENT NOBLE.

1. The value of algebra and its relation to the non-college man. Its proper place in a mathematical course of study.

2. The proper time to begin the study of Arithmetic. A study of objects resulting in the development of "The Four Fundamental

Rules;" the need of figures and signs; the proper use of signs; methods of drill in the use of figures; common and decimal fractions; object studies resulting in "rules" for the solution of fractional problems; a comparison of the arithmetic of fractions with the arithmetic of whole numbers; application of "The Four Fundamental Rules" to percentage, interest and all actual problems of business.

Music Department Three courses are offered, the third being arranged for with the teacher. PROFESSOR BROWN.

Course 1. Daily lessons in rudiments of Music, sight-reading, scale practice, relation of keys, etc. Text-book, "The Class and Chorus," by M. L. Bartlett; published by Clayton F. Summy, Chicago, Ill.

2. Daily lessons in simple methods of teaching children. Mason's New Second Reader; (Ginn & Co.)

3. Private lessons in tone production, phrasing and artistic singing. Two half hour lessons a week \$5.00.

Physical Training. MISS RACHEL CABE SIMS.

It is the purpose to present the best methods of promoting the student's health and usefulness by directing his physical activities and acquainting him with the means of bodily development and preservation of health.

Lectures will be given on the care of the body and the theory and practice of physical training.

The Gymnasium is opened throughout the day for private work. (special).

CONFERENCE PERIOD.

Each day at the noon hour there will be a meeting of the entire school for the purpose of discussing the problems of Public education, school government, and the various phases of school life. This discussion will be lead by the leading educators of the State.

OTHER POINTS.

The Railway station is one mile from the Campus. Carriages and baggage wagons meet all trains. Trains arrive from the east at 11 a. m. and 6:30 p. m. Train arrives from the west at 11 a. m. Mails close at Post Office at 8 a. m. and 3 p. m.

INFORMATION AS TO BOARD

During the Summer School, June 22 to July 23, 1897.

Chapel Hill, N. C.

<i>Boarding Places.</i>	<i>Location</i>	<i>Price with 2 in room.</i>	
		<i>Per Mo.</i>	<i>Per Wk.</i>
Pickard's Hotel,	W. W. Pickard, Franklin st.	\$16.00	\$5.00
Roberson's Hotel,	N. G. L. Patterson, " "	\$15.00	
Mrs. A. A. Kluttz,	Residence, " "	\$15.00	
Mrs. Mallett's,	Mrs. McNider, next Postoffice.	\$15.00	
Mrs. S. M. Barbee,	next M. E. Church, Franklin st.		\$5.00
Mrs. B. B. Lane,	for board only, " "		\$2.00
Mrs. W. H. Thompson,	Franklin st.,	\$8.00	
Mrs. D. C. Davis,	near Baptist Church,	\$10.00	
Mrs. J. B. Martin,	Rosemary st. near P. E. Church	\$18.00	
Mrs. L. Norwood,	Columbia st., near Graded School	\$15.00	
Mrs. A. P. Burch,	Columbia st.	\$15.00	
Mrs. Julia Graves,	Cameron Avenue.	\$20.00	
Mrs. R. R. Best,	" "		\$3.00
" " "	" " board only,	\$10.00	
Mrs M. Burch,	" "	\$10.00	
Mrs. J. M. Cheek,	" "	\$11.00	
Mrs. W. S. Jenks,	" "	\$12.00	
Mrs. T. W. Harris,	" "	\$15.00	
Mrs. E. L. Harris,	" "	\$15.00	

Write to any of these for special rates for parties coming together.

A PRACTICAL COURSE

IN

Natural History.

The Summer School of the University of North Carolina will include a practical course in Natural History. The indoor work will be carried on in the Biological Laboratory, which is well equipped with microscopes and other apparatus, together with aquarium tables.

There will be a daily excursion in the morning. The forms collected will be studied in the laboratory in the afternoon. Attendance on the excursions is optional, though strongly advised. The required laboratory work will occupy two hours daily, but the laboratory will be open during the entire day to members of the class.

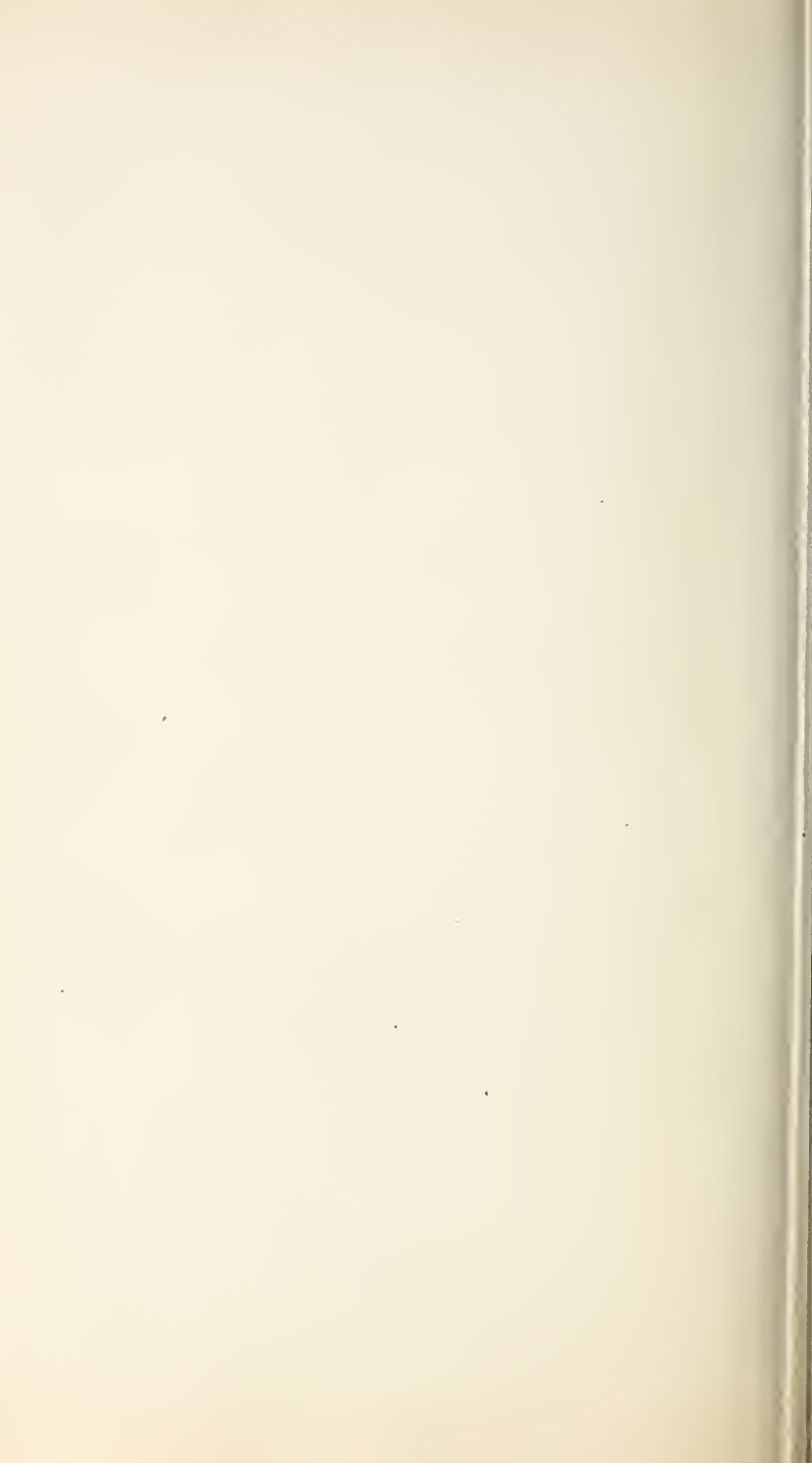
There will be no set lectures. Beginners in Natural History will be expected to read assigned topics in the text-book, and explanatory talks will be given in the laboratory.

The course is a plastic one, and will prove of use to teachers who have already studied Natural History (Zoology, Botany, Biology). It is primarily designed, however, for beginners unacquainted with the subject. It is believed that the course will enable any teacher to start a class in Natural History. For such work the necessary equipment is inexpensive. What the teacher needs is to know what animals and plants are profitable forms for study, where they can be found, how to study them, and what books to read.

The forms to be collected, or reared, and studied, include the following:

Plants. Pleurococcus. Diatoms, Desmids, Linear Algae (Spirogyra, Oscillaria), Yeast-plant, Moulds (Penicilium, Mucor). Myxomycetes, Puffballs, Toadstools, Lichens. Nitella, Liverworts, Mosses, Ferns (Pteris, Aspidium—rearing of Prothallia), some typical flowering plant (Germination of Seeds).

Animals. Amoeba Stentor. Infusoria (rearing of Vorticella, Para-



maecium); *Hydra*; *Worms*: Earthworms, Tubifex, Leeches, Planarians, Parasitic Worms (Cestodes, Nematodes); *Rotifers*, or Wheel Animals; *Mollusks*: River Mussel (*Unio*), Pond Snails, Land Snails and Slugs; *Crustaceans*: *Daphnia*, Ostracods, Cyclops, Amphipods, Isopods, Crayfish; *Arachnids*: Spiders (*Lycosa*, *Agalena*), Tick (*Ixodes*), False Scorpion (*Chelifer*); *Myriopods*: *Julus*, *Polydesmus*, *Cermatia* Forceps; *Insects*: Orthoptera (Grasshopper, Cricket, Katydid), Beetles, or Coleoptera, (June-bug, Copris, Life-history of Potato Bug), Bugs or Hemiptera (*Cicada*, *Notonecta*, Harlequin Cabbage Bug), Butterflies and Moths, or Lepidoptera (Cabbage Butterfly, Swallow-tail Butterfly, *Saturnia*, Bagworm or *Thyridopterix*); Flies or Diptera (House-fly, Robber-fly, Life-history of the Midge or Chironomus.)

Directions for the preservation of collections (alcoholic and formalin specimens—dried preparations of insects, etc.) will be given.

In addition to the regular Summer School fee of five dollars, a special laboratory fee of five dollars will be charged for this course.

For further information regarding the course address Professor C. W. Toms, Dr. H. V. Wilson, Professor of Biology, or Mr. R. E. Coker, the instructor.

